

Title (en)

INTERLEUKIN-12 AS A VETERINARY VACCINE ADJUVANT

Title (de)

INTERLEUKIN-12 ALS VAKZINE-ADJUVANS IN DER VETERINÄRMEDIZIN

Title (fr)

INTERLEUKINE 12 UTILISEE COMME ADJUVANT DE VACCIN VETERINAIRE

Publication

EP 1427349 A2 20040616 (EN)

Application

EP 02770517 A 20020913

Priority

- US 0229229 W 20020913
- US 32284001 P 20010917
- US 24307502 A 20020912

Abstract (en)

[origin: WO03024354A2] This disclosure describes a composition for enhancing the immunogenicity of a veterinary vaccine that comprises a pharmacologically effective amount of an immunomodulator and an immunoadjuvant. Additionally, the disclosure describes a vaccine composition comprising an effective immunizing amount of an antigen, an immunomodulator, an immunoadjuvant and a pharmaceutically acceptable carrier. The compositions may optionally contain conventional, secondary adjuvants or preservatives. The disclosure further describes a unique method for enhancing or accelerating the immunogenicity of weak, immunosuppressive or marginally safe antigens by administering to an avian or mammalian species a pharmacologically effective amount of the aforesaid immunogenicity enhancing composition or an effective immunizing amount of the aforesaid vaccine composition.

IPC 1-7

A61D 1/00

IPC 8 full level

A61K 38/21 (2006.01); **A61K 38/00** (2006.01); **A61K 39/00** (2006.01); **A61K 39/09** (2006.01); **A61K 39/118** (2006.01); **A61K 39/12** (2006.01); **A61K 39/23** (2006.01); **A61K 39/39** (2006.01); **A61P 31/00** (2006.01); **A61P 31/04** (2006.01); **A61P 31/12** (2006.01); **A61P 37/04** (2006.01); **A61P 43/00** (2006.01)

CPC (source: EP KR US)

A61K 39/39 (2013.01 - EP KR US); **A61P 31/00** (2018.01 - EP); **A61P 31/04** (2018.01 - EP); **A61P 31/12** (2018.01 - EP); **A61P 37/04** (2018.01 - EP); **A61P 43/00** (2018.01 - EP); **A61K 2039/55522** (2013.01 - EP US); **A61K 2039/55538** (2013.01 - EP US); **A61K 2039/55555** (2013.01 - EP US); **A61K 2039/55577** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03024354 A2 20030327; WO 03024354 A3 20040205; BR 0212556 A 20070417; CA 2457563 A1 20030327; CN 1555271 A 20041215; EP 1427349 A2 20040616; EP 1427349 A4 20060111; HR P20040282 A2 20040831; HU P0500238 A2 20050530; HU P0500238 A3 20090128; JP 2005520786 A 20050714; KR 20040044942 A 20040531; MX PA04002490 A 20040531; NZ 531526 A 20070531; PL 374123 A1 20051003; US 2003129161 A1 20030710; US 2008003201 A1 20080103; YU 24004 A 20060817

DOCDB simple family (application)

US 0229229 W 20020913; BR 0212556 A 20020913; CA 2457563 A 20020913; CN 02818196 A 20020913; EP 02770517 A 20020913; HR P20040282 A 20040322; HU P0500238 A 20020913; JP 2003528254 A 20020913; KR 20047003940 A 20020913; MX PA04002490 A 20020913; NZ 53152602 A 20020913; PL 37412302 A 20020913; US 24307502 A 20020912; US 89006307 A 20070803; YU P24004 A 20020913